JOURNAL OF PALEONTOLOGY

INDEX TO VOLUME 4

	No.	Page
Abstracts and review of recent Paleozoic literature	(2)	197
Adkins, W. S., Some recent literature on the Western Mesozoic	(1)	73
Ammonites, an apparatus for the reproduction of suture lines of, Anna Woodward Lupher, Ralph L. Lupher and Earl L. Packard	(1)	22
Ammonoid, a new fauna of late Paleozoic age from western Texas, A. K. Miller	(4)	383
Among Paleontologists	(3) 313; (4)	425
Benton, fauna of eastern Colorado and Kansas and its recorded geologic range, J. Harlan Johnson	(2)	193
Blake, Charles H., The ostracode genus *Hollinella*	(3)	297
Bolivinella, the genus in the Oligocene of Mississippi, Henry V. Howe	(3)	263
Bonnema, J. H., Orientation of the carapaces of Paleozoic Ostracoda	(2)	109
California, Age of Kreyenhagen shale in Cantua Creek-Panoche Creek district, D. Dale Condit	(3)	259
a new genus of Silicoflagellata from the Miocene of, G. D. Hanna	(4)	415
Post-Miocene foraminifera from the Ventura quadrangle, Ventura County, Roscoe E. and Katherine C. Stewart	(1)	60
Carboniferous, *Endothyranella*, a genus of foraminifera from, J. J. Galloway	(1)	24
Remains of Holothuroidea from Kansas, G. Dallas Hanna	(4)	413
Upper, some Ostracoda from the shale basin of western Texas, David M. Delo	(2)	152
Colorado, Benton fauna of, and its recorded geologic range, J. Harlan Johnson	(2)	193
The fauna of the McCoy formation, Pennsylvanian, Robert Roth and John Skinner	(4)	332
Condit, D. Dale, Age of the Kreyenhagen Shale in Cantua Creek-Panoche Creek district, California	(3)	259
Conodonts from the Decorah shale, Clinton R. Stauffer	(2)	121
Cooper, G. A., The brachiopod genus *Pionodema* and its homeomorphs	(4)	369
Coryell, H. N., *Jonesites*, a new name for the ostracode genus *Placentula*	(3)	294
Cretaceous, section of Maverick County, Texas, H. C. Vanderpool	(3)	252
Cuba, description of new species of *Orbitoides* from, Donald W. Gravell	(3)	268
Cushman, Joseph A., and Jarvis, P. W., Miocene foraminifera from Buff Bay, Jamaica	(4)	253
Cushman, Joseph A., and Thomas, N. L., Common foraminifera of the East Texas greensands	(1)	33
Decorah, conodonts from, Clinton R. Stauffer	(2)	121
Delo, David M. Some Upper Carboniferous Ostracods from the shale basin of western Texas	(2)	152
Diatomées du Monde Entier, Edition 2, Tempère and Peragallo, dates of publication of, G. Dallas Hanna	(3)	296
Dorr, James B., The "Guayabal" formation of Mexico	(4)	417
Endothyranella, a genus of Carboniferous foraminifera, J. J. Galloway	(1)	34
Eocene foraminifera from Mexico, W. L. F. Nuttall	(3)	271
Euphemus, a new species of, J. Marvin Weller	(1)	14

JOURNAL OF PALEONTOLOGY

INDEX TO VOLUME 4

	No.	Page
Abstracts and review of recent Paleozoic literature	(2)	197
Adkins, W. S., Some recent literature on the Western Mesozoic	(1)	73
Ammonites, an apparatus for the reproduction of suture lines of, Anna Woodward Lupher, Ralph L. Lupher and Earl L. Packard	(1)	22
Ammonoid, a new fauna of late Paleozoic age from western Texas, A. K. Miller	(4)	383
Among Paleontologists	(3) 313; (4)	425
Benton, fauna of eastern Colorado and Kansas and its recorded geologic range, J. Harlan Johnson	(2)	193
Blake, Charles H., The ostracode genus *Hollinella*	(3)	297
Bolivinella, the genus in the Oligocene of Mississippi, Henry V. Howe	(3)	263
Bonnema, J. H., Orientation of the carapaces of Paleozoic Ostracoda	(2)	109
California, Age of Kreyenhagen shale in Cantua Creek-Panoche Creek district, D. Dale Condit	(3)	259
a new genus of Silicoflagellata from the Miocene of, G. D. Hanna	(4)	415
Post-Miocene foraminifera from the Ventura quadrangle, Ventura County, Roscoe E. and Katherine C. Stewart	(1)	60
Carboniferous, *Endothyranella*, a genus of foraminifera from, J. J. Galloway	(1)	24
Remains of Holothuroidea from Kansas, G. Dallas Hanna	(4)	413
Upper, some Ostracoda from the shale basin of western Texas, David M. Delo	(2)	152
Colorado, Benton fauna of, and its recorded geologic range, J. Harlan Johnson	(2)	193
The fauna of the McCoy formation, Pennsylvanian, Robert Roth and John Skinner	(4)	332
Condit, D. Dale, Age of the Kreyenhagen Shale in Cantua Creek-Panoche Creek district, California	(3)	259
Conodonts from the Decorah shale, Clinton R. Stauffer	(2)	121
Cooper, G. A., The brachiopod genus *Pionodema* and its homeomorphs	(4)	369
Coryell, H. N., *Jonesites*, a new name for the ostracode genus *Placentula*	(3)	294
Cretaceous, section of Maverick County, Texas, H. C. Vanderpool	(3)	252
Cuba, description of new species of *Orbitoides* from, Donald W. Gravell	(3)	268
Cushman, Joseph A., and Jarvis, P. W., Miocene foraminifera from Buff Bay, Jamaica	(4)	253
Cushman, Joseph A., and Thomas, N. L., Common foraminifera of the East Texas greensands	(1)	33
Decorah, conodonts from, Clinton R. Stauffer	(2)	121
Delo, David M. Some Upper Carboniferous Ostracods from the shale basin of western Texas	(2)	152
Diatomées du Monde Entier, Edition 2, Tempère and Peragallo, dates of publication of, G. Dallas Hanna	(3)	296
Dorr, James B., The "Guayabal" formation of Mexico	(4)	417
Endothyranella, a genus of Carboniferous foraminifera, J. J. Galloway	(1)	34
Eocene foraminifera from Mexico, W. L. F. Nuttall	(3)	271
Euphemus, a new species of, J. Marvin Weller	(1)	14

Foraminifera, arenaceous, from Ordovician and Silurian limestones of Oklahoma, W. L. Moreman . . . . . (1) 42
Common, of the East Texas greensands, J. A. Cushman and N. L. Thomas . . . . . (1) 33
Distinctive new species from the Oligocene of Mississippi, H. V. Howe (4) 327
Endothyranella, a genus of Carboniferous, J. J. Galloway . . . (1) 24
Eocene, from Mexico, W. L. F. Nuttall . . . . . (3) 271
Miocene, from Buff Bay, Jamaica, J. A. Cushman and P. W. Jarvis . (4) 353
Post-Miocene, from Ventura quadrangle, Ventura County, California, Roscoe E. and Katherine C. Stewart . . . . . (1) 60

Galloway, J. J., *Endothyranella*, a genus of Carboniferous foraminifera . (1) 24
Gastropods of St. Louis, Missouri, Pennsylvanian outlier: The Pseudozygopleurinae, J. Brookes Knight . . . . . Supplement 1
Grant, U. S., *Mytilus loeli*, a new name for *Mytilus kewi* Wiedey (not *Mytilus kewi* Nomland) . . . . . (4) 419
Gravell, Donald W., The genus *Orbitoides* in America, with description of a new species from Cuba . . . . . (3) 268
Greensands, common foraminifera of, East Texas, J. A. Cushman and N. L. Thomas . . . . . (1) 33
"Guayabal" formation of Mexico, James B. Dorr . . . . . (4) 417

Hanna, G. Dallas, A new genus of Silicoflagellata from the Miocene of Lower California . . . . . (4) 415
A review of the genus *Rouxia* . . . . . (2) 179
Observations on *Lithodesmium cornigerum* Brun . . . . . (2) 189
Remains of Holothuroidea from the Carboniferous of Kansas . . (4) 413
The dates of publication of Tempère and Peragallo's Diatomées du Monde Entier, Edition 2 . . . . . (3) 296
The growth of *Omphalotheca* . . . . . (2) 192
Henderson, Junius, Reviews and new publications . . . . . (3) 299
Higgins, Daniel Franklin, Memorial, F. B. Plummer . . . . . (2) 214
Hollinella, discussion of the ostracode genus, Charles H. Blake . . . (3) 297
The ostracode genus, J. Brookes Knight . . . . . (4) 417
Holothuroidea, remains of, from the Carboniferous of Kansas, G. D. Hanna (4) 413
Howe, Henry V., Distinctive new species of foraminifera from the Oligocene of Mississippi . . . . . (4) 327
The genus *Bolivinella* in the Oligocene of Mississippi . . . . (3) 263

Illinois, siliceous sponge spicules of Pennsylvanian age from, J. Marvin Weller . . . . . (3) 233
Indiana, siliceous sponge spicules of Pennsylvanian age from, J. Marvin Weller . . . . . (3) 233
Israelsky, M. K., Reviews and new publications . . . . . (4) 421

Jamaica, Miocene foraminifera from Buff Bay, J. A. Cushman and P. W. Jarvis . . . . . (4) 353
Johnson, J. Harlan, The Benton fauna of eastern Colorado and Kansas and its recorded geologic range . . . . . (2) 193
Jonesites, a new name for ostracode genus *Placentula*, H. N. Coryell . . (3) 294

Kansas, Benton fauna of, and its recorded geologic range, J. Harlan Johnson . . . . . (2) 193
Remains of Holothuroidea from the Carboniferous of, G. Dallas Hanna (4) 413
Kelly, W. A., Lower Pennsylvanian faunas from Michigan . . . . (2) 129
Knight, J. Brookes, The gastropods of the St. Louis, Missouri, Pennsylvanian outlier: The Pseudozygopleurinae . . . . . Supplement 1
The ostracode genus *Hollinella* . . . . . (4) 417
Kreyenhagen shale, age of, in Cantua Creek-Panoche Creek district, California, D. Dale Condit . . . . . (3) 259

Literature, recent, on Mesozoic, W. S. Adkins . . . . . (1) 73
Lithodesmium cornigerum, observations on, G. Dallas Hanna . . . . (2) 189
Lupher, Anna Woodward and Ralph L., and Packard, Earl L., An apparatus for the reproduction of suture-lines of Ammonites . . . . (1) 22

McCoy formation, the fauna, of Colorado, Robert Roth and John Skinner . (4) 332
Memorial, Daniel Franklin Higgins, F. B. Plummer . . . . . (2) 211
Mesozoic, some recent literature on, W. S. Adkins . . . . . (1) 73
Mexico, Eocene foraminifera from, W. L. F. Nuttall . . . . . (3) 271
The "Guayabal" formation of, James B. Dorr . . . . . (4) 417
Michigan, Lower Pennsylvanian faunas from, W. A. Kelly . . . . (2) 129
Miller, A. K., A new ammonoid fauna of late Paleozoic age from western Texas . . . . . (4) 383
Miocene, a new genus of Silicoflagellata from Lower California, G. Dallas Hanna . . . . . (4) 415
Foraminifera from Buff Bay, Jamaica, J. A. Cushman and P. W. Jarvis (4) 353
Mississippi, Distinctive new species of foraminifera from the Oligocene of, Henry V. Howe . . . . . (4) 327
The genus *Bolivinella* in the Oligocene of, Henry V. Howe . . . . (3) 263
Missouri, the gastropods of the St. Louis, Pennsylvanian outlier: The Pseudozygopleurinae, J. Brookes Knight . . . . . Supplement 1
Moreman, W. L., Arenaceous foraminifera from Ordovician and Silurian limestones of Oklahoma . . . . . (1) 42
Mytilus kewi Wiedey, *Mytilus loeli*, a new name for, U. S. Grant, IV . (4) 419
Mytilus loeli, a new name for *Mytilus kewi* Wiedey (not *Mytilus kewi* Nomland), U. S. Grant, IV . . . . . (4) 419

New Publications, notes on . . . . . (2) 206
Nuttall, W. L. F., Eocene foraminifera from Mexico . . . . . (3) 271

Officers and members, list . . . . . (1) 92
Oklahoma, arenaceous foraminifera from Ordovician and Silurian limestones of, W. L. Moreman . . . . . (1) 42
Oligocene, distinctive new species of foraminifera from, Mississippi, H. V. Howe . . . . . (4) 327
The genus *Bolivinella* in Mississippi, H. V. Howe . . . . . (3) 263
Omphalotheca, growth of, G. Dallas Hanna . . . . . (2) 192
Ophiuroid, remains of Pennsylvanian age, J. Marvin Weller . . . . (1) 1
Orbitoides, genus in America and description of new species from Cuba, Donald W. Gravell . . . . . (3) 268
Ordovician, arenaceous foraminifera from limestones of Oklahoma, W. L. Moreman . . . . . (1) 42
Some evolutionary stages of *Platystrophia* applied in correlation of, Bradford Willard . . . . . (1) 29
Orientation of carapaces of Paleozoic Ostracoda, J. H. Bonnema . . . (2) 109
Ostracoda, Orientation of the carapaces of, Paleozoic, J. H. Bonnema . (2) 109
Upper Carboniferous, from shale basin of western Texas, David M. Delo (2) 152
Ostracode genus *Hollinella*, J. Brookes Knight . . . . . (4) 417
Ostracode genus *Hollinella*, Charles H. Blake . . . . . (3) 297
Ostracodes, *Jonesites*, a new name for the genus *Placentula* . . . . (3) 294

Packard, Earl L., with Anna W. and Ralph L. Lupher, an apparatus for reproduction of suture-lines of ammonites . . . . . (1) 22
Paleozoic, abstracts and review of recent literature on . . . . . (2) 197
A new ammonoid fauna from western Texas, A. K. Miller . . . . (4) 283
Paleontologic illustrations, preparation of, J. B. Reeside, jr. . . . . (3) 299
Pennsylvanian, faunas from Michigan, W. A. Kelly . . . . . (2) 129
Ophiuroid remains of Pennsylvanian age, J. Marvin Weller . . . . (1) 1
Siliceous sponge spicules from Illinois and Indiana, J. Marvin Weller . (3) 233
The fauna of the McCoy formation of Colorado, Robert Roth and John Skinner . . . . . (4) 332

Pennsylvanian outlier, gastropods of the St. Louis, Missouri, outlier: The Pseudozygopleurinae, J. Brookes Knight . . . . . Supplement 1
Pionodema, the brachiopod genus and its homeomorphs, G. A. Cooper . (4) 369
Placentula, *Jonesites*, a new name for, H. N. Coryell . . . . . (3) 294
Platystrophia, some evolutionary stages of, applied in correlation of certain Ordovician formations, Bradford Willard . . . . . (1) 29
Plummer, Helen Jeanne, literature reviews . . . . . (2) 212
Plummer, F. B., Memorial, Daniel Franklin Higgins . . . . . (2) 214
Pseudozygopleurinae, the gastropods of the St. Louis, Missouri, Pennsylvanian outlier, J. Brookes Knight . . . . . Supplement 1

Reeside, John B., jr., The preparation of paleontologic illustrations . . (3) 299
Reports of meetings . . . . . (2) 214
Researches in Paleontology . . . . . (1) 88
Reviews, literature, Helen Jeanne Plummer . . . . . (2) 212
Reviews and new publications, Julius Henderson . . . . . (3) 299
M. K. Israelsky . . . . . (4) 421
Roth, Robert, and Skinner, John, The fauna of the McCoy formation, Pennsylvanian, of Colorado . . . . . (4) 332
Rouxia, a review of the genus, G. Dallas Hanna . . . . . (2) 179

Silicoflagellata, a new genus of, from the Miocene of Lower California, G. Dallas Hanna . . . . . (4) 415
Silurian, arenaceous foraminifera from limestones of Oklahoma, W. L. Moreman . . . . . (1) 42
Society records and activities . . . . . (3) 311
(4) 422
Sponge spicules, siliceous, of Pennsylvanian age from Illinois and Indiana, J. Marvin Weller . . . . . (3) 233
Stauffer, Clinton R., Conodonts from the Decorah shale . . . . . (2) 121
Stewart, Roscoe E. and Katherine C., Post-Miocene Foraminifera from the Ventura quadrangle, Ventura County, California . . . . (1) 60
Suture lines, an apparatus for the reproduction of, of ammonites, Anna Woodward and Ralph L. Luphur and Earl L. Packard . . . (1) 22

Texas, a new ammonoid fauna of late Paleozoic age from western Texas, A. K. Miller . . . . . (4) 383
Common foraminifera of greensands, J. A. Cushman and N.L. Thomas . (1) 33
Cretaceous section of Maverick County, H. C. Vanderpool . . . (3) 252
Western, some Upper Carboniferous ostracoda from shale basin of, David M. Delo . . . . . (2) 152
Thomas, Norman L., with J. A. Cushman, Common foraminifera of the East Texas greensands . . . . . (1) 33

Vanderpool, H. C., Cretaceous section of Maverick County, Texas . . (3) 352

Weller, J. Marvin, A new species of *Euphemus* . . . . . (1) 14
Ophiuroid remains of Pennsylvanian age . . . . . (1) 1
Siliceous sponge spicules of Pennsylvanian age from Illinois and Indiana (3) 233
Willard, Bradford, Some evolutionary stages of *Platystrophia* applied in correlation of certain Ordovician formations . . . . . (1) 29